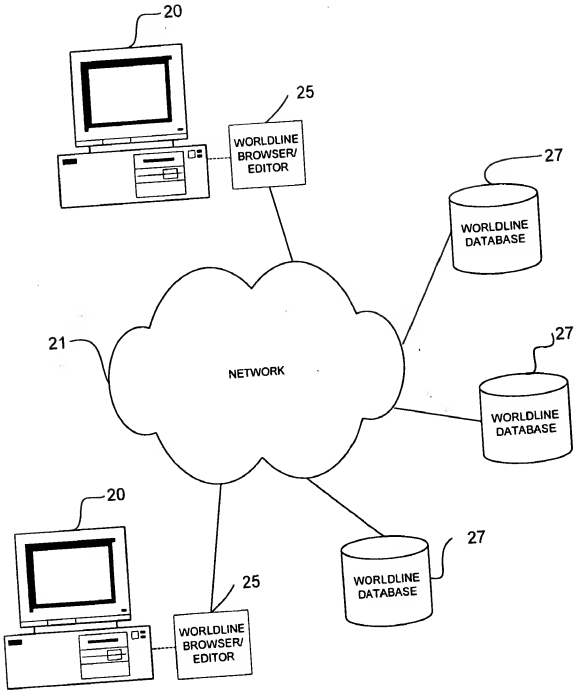

20
25
WORLDLINE BROWSER/ EDITOR
27
WORLDLINE DATABASE
21
NETWORK
27
WORLDLINE DATABASE
20
27
WORLDLINE DATABASE
25
WORLDLINE BROWSER/ EDITOR

Fig. 1

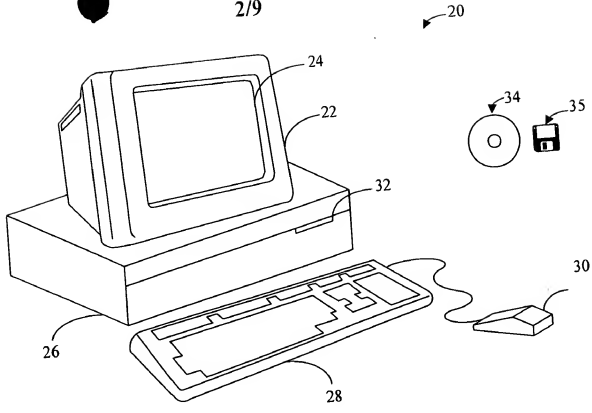

20
24
22
34
35
32
30
26
28

FIG. 2

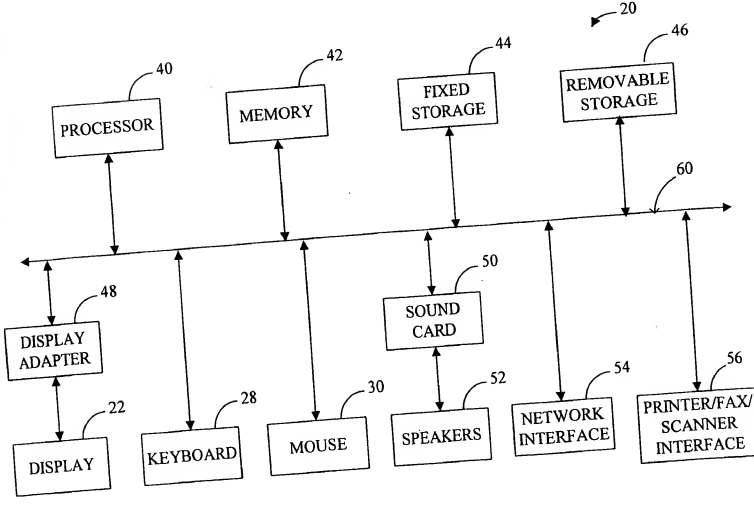

20
40
PROCESSOR
42
MEMORY
44
FIXED STORAGE
46
REMOVABLE STORAGE
60
48
DISPLAY ADAPTER
50
SOUND CARD
22
DISPLAY
28
KEYBOARD
30
MOUSE
52
SPEAKERS
54
NETWORK INTERFACE
56
PRINTER/FAX/ SCANNER INTERFACE

FIG. 3

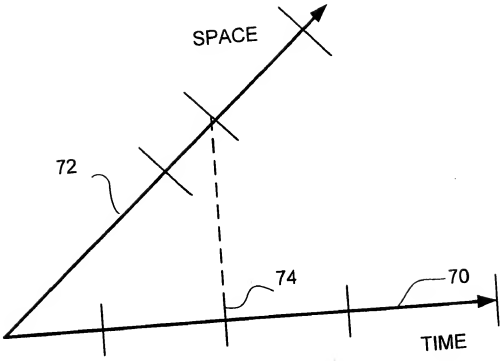
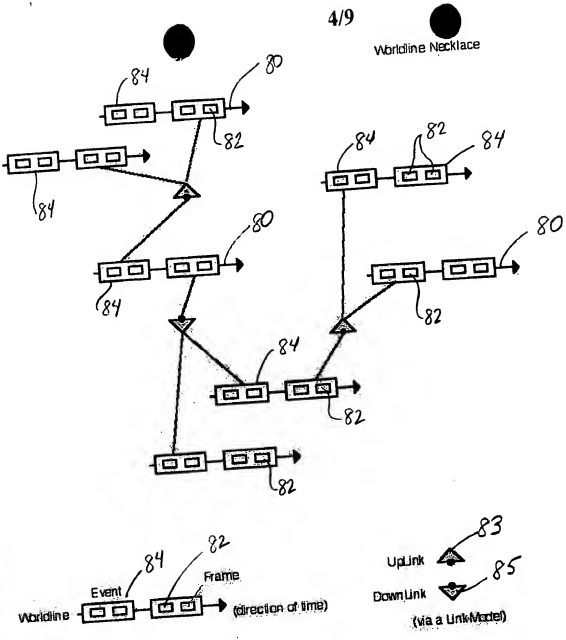


Fig. 4



09077-60H07/60

FIG. 5

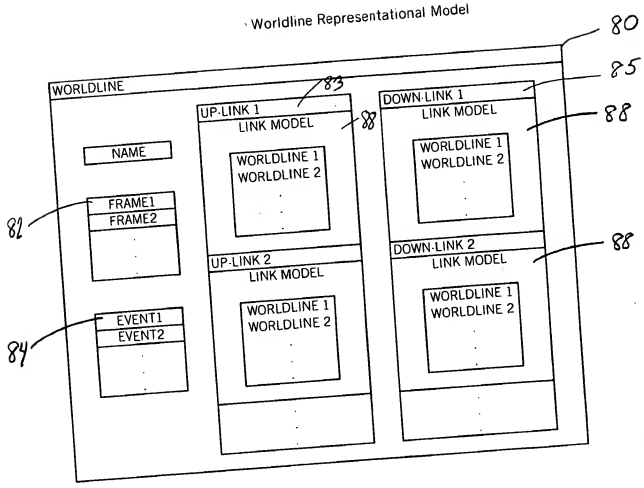

Worldline Representational Model
80
WORLDLINE
85
NAME
FRAME1
FRAME2
81
EVENT1
EVENT2
84
UP-LINK 1
LINK MODEL
83
88
WORLDLINE 1
WORLDLINE 2
UP-LINK 2
LINK MODEL
WORLDLINE 1
WORLDLINE 2
DOWN-LINK 1
LINK MODEL
88
WORLDLINE 1
WORLDLINE 2
DOWN-LINK 2
LINK MODEL
88
WORLDLINE 1
WORLDLINE 2

FIG. 6

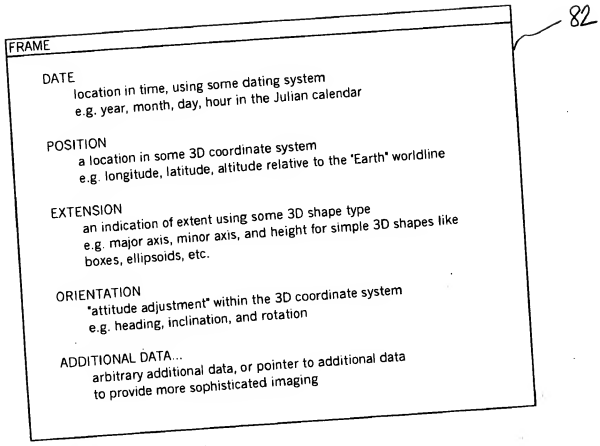

82
FRAME
DATE
location in time, using some dating system
e.g. year, month, day, hour in the Julian calendar
POSITION
a location in some 3D coordinate system
e.g. longitude, latitude, altitude relative to the "Earth" worldline
EXTENSION
an indication of extent using some 3D shape type
e.g. major axis, minor axis, and height for simple 3D shapes like boxes, ellipsoids, etc.
ORIENTATION
"attitude adjustment" within the 3D coordinate system
e.g. heading, inclination, and rotation
ADDITIONAL DATA...
arbitrary additional data, or pointer to additional data
to provide more sophisticated imaging

FIG. 7

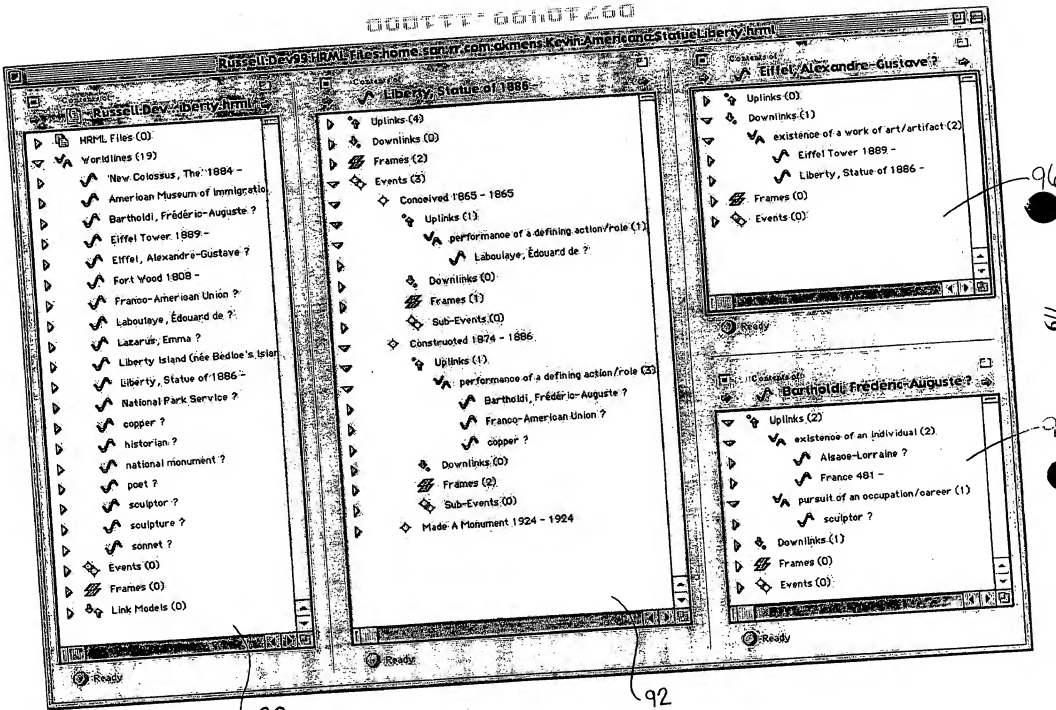

Russell:Dev3:HRML Files:home.sanjrr.com:akmens:Kevin:Americana:Statue:Liberty.hrml
Russell:Dev:..iberty.hrml
HRML Files (0)
Worldlines (19)
'New Colossus, The' 1884 –
American Museum of Immigratio
Bartholdi, Frédéric-Auguste ?
Eiffel Tower 1889 –
Eiffel, Alexandre-Gustave ?
Fort Wood 1808 –
Franco-American Union ?
Laboulaye, Édouard de ?
Lazarus, Emma ?
Liberty Island (née Bedloe's Islan
Liberty, Statue of 1886 –
National Park Service ?
copper ?
historian ?
national monument ?
poet ?
sculptor ?
sculpture ?
sonnet ?
Events (0)
Frames (0)
Link Models (0)
Ready
Liberty, Statue of 1886
Uplinks (4)
Downlinks (0)
Frames (2)
Events (3)
Conceived 1865 – 1865
Uplinks (1)
performance of a defining action/role (1)
Laboulaye, Édouard de ?
Downlinks (0)
Frames (1)
Sub-Events (0)
Constructed 1874 – 1886
Uplinks (1)
performance of a defining action/role (3)
Bartholdi, Frédéric-Auguste ?
Franco-American Union ?
copper ?
Downlinks (0)
Frames (2)
Sub-Events (0)
Made A Monument 1924 – 1924
Ready
Eiffel, Alexandre-Gustave ?
Uplinks (0)
Downlinks (1)
existence of a work of art/artifact (2)
Eiffel Tower 1889 –
Liberty, Statue of 1886 –
Frames (0)
Events (0)
Ready
Bartholdi, Frédéric-Auguste ?
Uplinks (2)
existence of an individual (2)
Alsace-Lorraine ?
France 481 –
pursuit of an occupation/career (1)
sculptor ?
Downlinks (1)
Frames (0)
Events (0)
Ready
90
92
96
98
79

FIG. 8

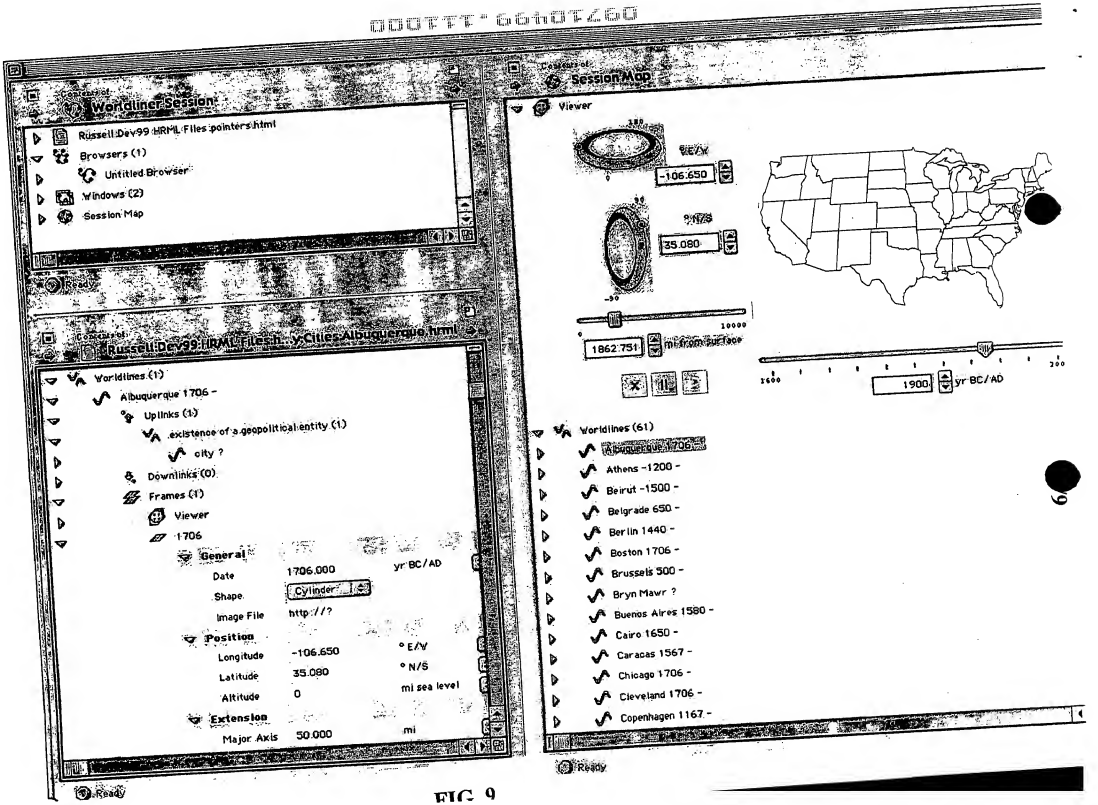

Worldliner Session
Russell:Dev99:MRML Files:pointers.html
Browsers (1)
Untitled Browser
Windows (2)
Session Map
Ready
Russell:Dev99:MRML Files:h...yCities:Albuquerque.html
Worldlines (1)
Albuquerque 1706 -
Uplinks (1)
existence of a geopolitical entity (1)
city ?
Downlinks (0)
Frames (1)
Viewer
1706
General
Date
1706.000
yr BC/AD
Shape
Cylinder
Image File
http://?
Position
Longitude
-106.650
° E/W
Latitude
35.080
° N/S
Altitude
0
mi sea level
Extension
Major Axis
50.000
mi
Ready
Session Map
Viewer
-106.650
35.080
1862.751
mi from surface
1900
yr BC/AD
Worldlines (61)
Albuquerque 1706 -
Athens -1200 -
Beirut -1500 -
Belgrade 650 -
Berlin 1440 -
Boston 1706 -
Brussels 500 -
Bryn Mawr ?
Buenos Aires 1580 -
Cairo 1650 -
Caracas 1567 -
Chicago 1706 -
Cleveland 1706 -
Copenhagen 1167 -
Ready

FIG. 9

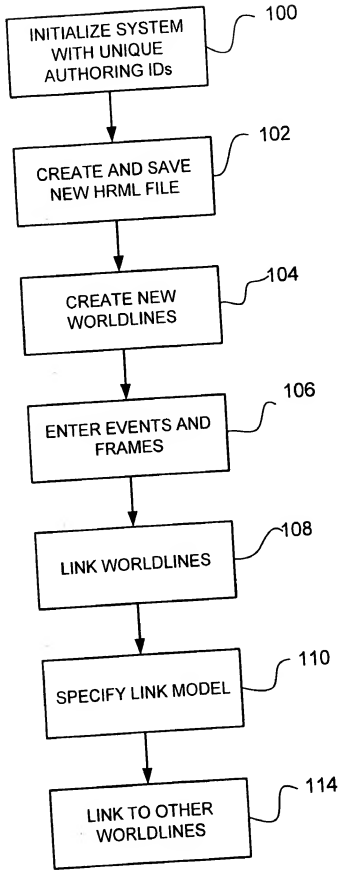

INITIALIZE SYSTEM WITH UNIQUE AUTHORING IDs
100
CREATE AND SAVE NEW HRML FILE
102
CREATE NEW WORLDLINES
104
ENTER EVENTS AND FRAMES
106
LINK WORLDLINES
108
SPECIFY LINK MODEL
110
LINK TO OTHER WORLDLINES
114

Fig. 10